

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A hydrogen supply system, the system comprising a first hydrogen storage material-(1) and a second hydrogen storage material-(2), wherein the two hydrogen stores are separate; and wherein the first hydrogen storage material can be activated to release hydrogen at a lower temperature than can the second hydrogen storage material; wherein at least a proportion of the hydrogen released from the first hydrogen storage material is utilised to activate the second hydrogen storage material; and wherein at least a proportion of the hydrogen released from the second hydrogen storage material is made available to a hydrogen consumption system-(3), and wherein the second hydrogen storage material-(2) is activated by oxidising a proportion of the hydrogen released from the first hydrogen storage material-(1) in a hydrogen burner unit-(4).
2. (Currently Amended) A system according to claim 1, wherein a proportion of the hydrogen released from the first hydrogen storage material-(1) is made available to the hydrogen consumption system-(3).
3. (Currently Amended) A system according to ~~any preceding-claim_1~~, wherein a proportion of the hydrogen released from the second hydrogen storage material-(2) is used to recharge the first hydrogen storage material-(1).
4. (Currently Amended) A system according to ~~any preceding-claim_1~~, wherein the first hydrogen storage material-(1) can be activated to release hydrogen at a temperature of less than 100 °C.
5. (Currently Amended) A system according to ~~any preceding-claim_1~~, wherein the second hydrogen storage material-(2) can be activated to release hydrogen at a temperature of from 250 °C to 350 °C.
6. (Currently Amended) A system according to ~~any preceding-claim_1~~ further comprising one or more heat exchangers-(5) to remove heat from the hydrogen released from the first-(1) or second-(2) hydrogen storage materials.

7. (Currently Amended) A system according to any preceding claim_1, wherein the first hydrogen storage material-(1) comprises is selected from the group consisting of an AB₅, an AB₂ or and an AB type material, and any combination thereof.
8. (Currently Amended) A system according to claim 7, wherein the first hydrogen storage material-(1) is selected from the group consisting of LaNi₅, Al doped LaNi₅, CeNi₅, Al doped CeNi₅, CaNi₅, Mn doped CaNi₅, TiVMn, Zr doped TiCrMn, Zr doped TiCr₂, Co doped TiV₂, Fe/Ti, Ti/Zr, Ti(MnV) and Ti(MnCr), or and any combination thereof.
9. (Currently Amended) A system according to any preceding claim_1, wherein the second hydrogen storage material-(2) comprises Mg.
10. (Currently Amended) A system according to claim 9, wherein the second hydrogen storage material-(2) further comprises PGM.
11. (Currently Amended) A system according to claim 9-or 10, wherein the second hydrogen storage material-(2) is MgH₂ or Mg H₂/Ni, or any combination thereof.
12. (Currently Amended) A system according to any preceding claim_1, wherein the hydrogen consumption system-(3) comprises a fuel cell.
13. (Currently Amended) A system according to any of claims 1-to-11, wherein the hydrogen consumption system-(3) comprises an internal combustion engine.
14. (Currently Amended) A vehicle, the vehicle comprising a system according to claim 12 or claim 13-as a power source.
15. (Currently Amended) A method of activating a second hydrogen storage material-(2) for supplying a hydrogen consumption system-(3), which method comprising utilising at least a proportion of a stream of hydrogen generated by activating a separate first hydrogen storage material-(1).